Original / Duplicate / Triplicate SBR.No

CONTRACT CERTIFICATE

No. **1st and final Bill** (For Other Works) Date.....20.....

Division :**Project Division (RRNagara)** Sub-Division : **Project Sub Division - (RRNagara)**

Estimate Cost(Rs.) :-**20.00Lakhs**

Bill Received No .....Dated.....Cash Book Voucher No.....dated.....

Scheduled Docket No Head of Account : D.R. No:

Name of Work (as per sanctioned estimate).:- **Maintenance of Toilet at J.P Park in ward No 17.**

Job Code:-**017-11-000042**

Name of Contractor and Full Address : **KRIDL.**

Reference to Agreement No : **EE(P)/RRN/W.No./18/2010-11** **Date:-04-05-2011**

Certified that the measurements were taken by me on 26/8/13 and recorded of pages No 515/9 to 36

Of measurement Book No : 516 and that the work is satisfactorily executed.

AEE-5(RR Nagar)
KRIDL., BBMP
Bangalore

Contractor **Officer-in-charge of work**

Certified that the measurements were taken by me on 29/8/13.....and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer
R.R. Nagar Project Sub-Division-02
Bruhat Bengaluru Mahanagara Palike

Sub-Division Officer

If Memorandum of Payment		
1) Total value of work done or supplies made as per account within		
2) Deduct amount to be held in reserve being.....percent Rs.....		
3) " Balance		
4) Deduct Payment :		
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D No.....-		
Amount adjusted towards cash advance recovery of		
b) Payments cost store or other materials supplied.		
Now made recovery of amount creditable to this/o ther work		
Amount paid on this bill Cheque/Cash		
5) Balance being unpaid value of work done held in reserve		
6) Deduct cash advance made on the office Cash Book Voucher No..... date .....less adjustments		
7) Net amount due to or from contractor		
Unadjusted items		
8) Advance to contractor for materials brought to site (as detailed) within value of Governme materials supplied		

Contractor's Signatur

Received Rs... .....(in works)

.....

By Cash and by adjustment of Payment as per memorandum.

Witnesses :

1.

2.

AEE-5(RR Nagar)
KRIDL., BBMP
Bangalore

(For use in the Office)

[

Dated.....Signature of Contractor

Paid by me by cheque No.....Dated.....

Cash Rs.....Dated.....

Initials of Officer Making Payment Executive Engineer

It. No	Description
-	Excavation in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings,culverts road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed as per specifications.
2	Earthwork excavation for foundation of buildings, water supply sanitary lines and electrical conduits either in pits or in trenches 1.5m. In and above in width, in ordinery soil not exceeding 1.5m in depth including dressing in bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods complete as per specifications.
3	Lead Charges for conveying Debries with loading and unloding charges upto 2kms surface transportation
4	Providing and Filiing in foundation with granite / trap broken metal 100mm . and down size, with approved sand including hard packing, rammin g,watering, including cost of all materials and labours with all lead and lift. Complete as per specification.
5	Providing cement bed with 10% cement with all leads for all materials and lift of 1.5m. Machine mixed, laid in layers of 15cms. thick and well compacted for foundation for foundation, including curing cost of materials , labours and HOM complete as per.
6	Providing and Laying in position plain cement concrete of mix 1:4:8 using 40mm and down size graded granite metal machine mixed concrete laid in layers not exceeding 15 cms. Thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.
7	Providing and laying in position reinforced cement concrete to MIX 1:1.5 :3(M20) with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works including cost of all materials, labour, HOM of machinery, curing, complete as per specification etc., including all lead and lift charges etc. complete as directed by engineer in charge. For Footings
8	Providing and removing centering, shuttering, strutting, propping etc, and removal of formwork for foundations,footings,bases of columns for mass concrete etc., including cost of all materials,labour complete as per specifications as per direction of Engineer in charge.
9	Providing and laying in position reinforced cement concrete to MIX 1:1.5 :3(M20) with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works including cost of all materials, labour, HOM of machinery, curing, complete as per specification etc., including all lead and lift charges etc. complete as directed by engineer in charge. For Footings
10	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc, and removal of formwork for columns etc., including cost of all materials, labour complete as per specifications including all lead and lift charges etc., complete as per directions s directed by Engineer in charges.
11	KSRB 5.1-3 :Providing and constructing granite/ trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms, bond stones at two m apart in each course including cost of materials, labour, curing complete as per specification and as directed by Engineer in charge.
12	KSRB 5.3-3 :Providing and constructing granite/ trap / basalt size stone masonry in Basement with cement mortar 1:6, stones Chistle dressed in courses not less than 15 cms high, bond stones at two m apart in each course including cost of materials, labour, curing complete as per specification,

	Previous Measurement		Present Measurement			Total Up-today	
	Qty	Cost	Qty	Rate	Cost	Qty	Cost
Cum	-	-	38.62	106.00	4094.00	38.62	4094.00
Cum	-	-	126.98	190.80	24228.00	126.98	24228.00
Cum	-	-	~~126.98~~	~~120.20~~	~~15263.00~~	126.98	15263.00
Cum	-	-	~~14.24~~ 14.22	1013.36	~~14430.00~~ 14410.60	~~14.24~~ 14.22	~~14430.00~~ 14410.60
Cum	-	-	~~14.24~~ 14.22	2237.66	~~31864.00~~ 31820.00	~~14.24~~ 14.22	~~31864.00~~ 31820.00
Cum	-	-	~~37.06~~ 26.19	3287.06	~~121818.00~~ 86088/-	~~37.06~~ 26.19	~~121818.00~~ 86088/-
Cum	-	-	12.16	4811.34	58506.00	12.16	58506.00
Sqm	-	-	37.44	156.88	5874.00	37.44	5874.00
Cum	-	-	2.28	4811.34	10970.00	2.28	10970.00
Sqm	-	-	39.74	243.80	9689.00	39.74	9689.00
Cum	-	-	36.6	2018.24	73868.00	36.60	73868.00
Cum	-	-	7.14	2959.52	21131.00	7.14	21131.00

13	KSRB 4.2.8 : Providing and laying in position reinforced cement concrete to MIX 1:1.5 :3(M20) with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding thick, vibrated for all works including cost of all materials, labour, HOM of machinery, curing, complete as per specification etc., including all lead and lift charges etc. complete as directed by engineer in charge. For Footings
14	KSRB 4-6.7 :Providing and removing centering,shuttering, strutting, propping etc, and removal of form work for Beams , beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.
15	KSRB 2.5 : Earthwork excavation (in deposited) and filling sides of foundation upto plinth in layers not exceeding 20cms. In depth copacting each deposited layer by ramming after watering with lead . And lift including cost of all labour complete as per specifications.
16	KSRB 4.9.2 : Providing TMT steel reinforcement for R.C.C work including straightening, cutting bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design, (laps and wastages shall not be measured and paid) csot of materials, etc. complete as per specifications
17	KSRB 6-2.3 : Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 50 (table moulded) with cement mortar 1:6 for basement and superstructure including cost of materails, labour charges, scaffolding, curing complete as per specifications.
18	KSRB 6-7.4 : Construction of partition wall 11.2 cms thick with non-modular table moulded burnt bricks of class designation 50 with cement mortar 1:4 including cost of materails, labour charges scaffolding, curing complete as per specifications.
19	KSRB 15-3.6 : Providing 15mm thick cement plaster in single coat with cement mortar 1:6 to brick masonry including rounding off corners wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing etc., complete as per specification.
20	KSRB 15-3.10 : Providing 20 mm thick cement plaster in single coat with cement mortar 1:6 to brick masonryincluding rounding off corners wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing etc., complete as per specifications for Out side plastering.
21	KSRB 15-16 : Water proof cement paint KSRB 15-16.1 : Providing and finshing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after through brooming the surface to remove all dirt and loose powdered materail, free from mortar drops and other foreign matter cost of materails, labour complete as per specifications.
22	KSRB 14.14-2 : Providing colour glazed tiles of size 10mm thick flooring, treads of steps and landing laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing using white cement with matching colour pigment, including cost of materials, labour, curing, complete as per specifications.
23	Providing and laying Hassan green granite using prepolished, water cut / gangsaw 19mm thick granite laid over existing floor laid in CM 1:4 at 20mm thick (average) and pointed with white / grey pigment etc.,to complete
24	Providing and laying Block granite using prepolished, water cut / gangsaw 19mm thick granite laid over existing floor laid in CM 1:4 at 20mm thick (average) and pointed with white / grey pigment et to complete

Cum	-	-	6.62	4811.34	31851.00	6.62	31851.00
Smt	-	-	57.64	169.60	9776.00	57.64	9776.00
Cum	-	-	~~213.28~~ 152.72	171.72	~~36624.00~~ 26225.40	~~213.28~~ 152.72	~~36624.00~~ 26225.40
Qtl	-	-	26.32	5108.14	134446.00	26.32	134446.00
Cum	-	-	35.96	4055.56	145838.00	35.96	145838.00
Sqm	-	-	44.08	580.88	25605.00	44.08	25605.00
Sqm	-	-	~~318~~ 312	108.12	~~34382.00~~ 33733.0	~~318.00~~ 312	~~34382.00~~ 33733.40
Sqm	-	-	~~193.5~~ 149.46	171.72	~~33228.00~~ 25665.0	~~193.50~~ 149.46	~~33228.00~~ 25665.40
Sqm	-	-	~~193.5~~ 146.46	63.60	~~12307.00~~ 9506	~~193.50~~ 146.46	~~12307.00~~ 9506.40
Sqm	-	-	~~447.38~~ 424.12	750.48	~~335750.00~~ 318594.0	~~447.38~~ 424.12	~~335750.00~~ 318594.40
Sqm	-	-	0	2186.78	0.00	0.00	0.00
Sqm	-	-	~~2~~ 1.4	1904.82	~~3810.00~~ 2305	2.00	3810.00

25	PVC DOOR SHUTTER (Nandi or Equivalent) Supply and fixing of door shutters made of rigid PVC extruded hollow section of 20mm x 200mm with the wall thickness of 1.0mm +/0.1mm equally di[illegible] into 4nos with tongue and groove locking arragements. The shutter frame is made of 58 x 24 mm with the wall thickness of 1.5mm*/-0.15mm section metricut and joined at 4 corners with 125mmx 225mm *plastic bracket.* the shutter shall be horizontally feinforced with 2nos of 8mm PVC rod. teak wood battons shall be reinforced inside the door shutter during the fabrication of the door shutter at those points wherever the hardware is fixed on to the door shutter.
26	Supply and fixing of door frame made of hollow extruded PVC section (Nandi or Equivalent) having dimension of 40x57mm with the wall thickness of 2mm+/-0.2mm duly reinforced with seasoned wood plank at the hinges side. The door frame too 2corners shall be metric cut /welded.
27	KSRB 7.7 : Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung fully openable as per approved drawing using Z angles of 25x33x3mm. weighing 1.419 Kg/m both for outer and inner frames and central mullion section os size 25x46x3mm. weighing 2.28kg/m duly providing T section 19x19x3mm weighing 0.839kg/m for glazing of window not more than 34cms. c to c including providing and fixing 4mm thick reeded glass with teak wood beading of required size all steel section should confirm to I.S. 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corrosive paint and finishing with two coat of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinery complete as per specification.
28	Providing, fabricating, hoisting, strightening ,tieing, bending installing ,placing and securing in position in concrete /masonary MS structural steel sections /pipe (RHS/SHS Sections of TATA make) for coloumns, trusses, tie beams ,staircase,ladders penetrations comprising M.S angles, plates Tees,flats rounds, square and other structural steel section pipe sleeves and pipes of various sizes including cutting welding bending to shape painting with a coat of Zinc chromate Coat primer complete all as per specification one coat to be applied after fabrication and erection over which two coats of enamel paint of approved colour and make to be applied etc., complete
29	Providing and laying to required line and slope roofing with Galvolume sheet 5mm. thick fixed with bolts and nuts 8mm. dia C.I plain and bitumen washers, over the existing purlins, rafters and trusses including cost of materials, labour, complete as per specifications With all lead and lift, loading and unloading labour charges etc., complete as per detailed specification and as per directions of the Engineer-in- Charge of the work.
30	KSRB 12-1.1 : Providing and laying in position to required level or slope 100mm internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in porportion of 1:1 testing of pipes and joints, incudling cosat of materails, labour charges complete as per specifications.
31	KSRB 12-1.2 : Providing and laying in position to required level or slope 150mm internal diameter sa glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in porportion of 1: testing of pipes and joints, incudling cosat of materails, labour charges complete as per specifications.
32	KSRB 12-1.4 : Providing and laying in position to required level or slope 230mm internal diameter s glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in porportion of 1 testing of pipes and joints, incudling cosat of materails, labour charges complete as per specifications

Toilet at Ward No. 17 &

	-	-	12	1563.50	18762.00	12.00	18762.00
	-	-	~~44.55~~ 38	190.80	~~8500.00~~ 7250	~~44.55~~ 38	~~8500.00~~ 7250
	-	-	7.66	3265.86	25016.00	7.66	25016.00
	-	-	3.62	90000.00	325800.00	3.62	325800.00
	-	-	115.56	650.00	75114.00	115.56	75114.00
	-	-	4.00	208.82	835.00	4.00	835.00
	-	-	10.70	327.54	3505.00	10.70	3505.00
	-	-	0.00	489.72	0.00	0.00	0.00

33	KSRB 12-5.1 : Constructing brick masonary circular type manhole 0.91 m internal dia at bottom 0.56 m deep and 0.56 dia at top with table moulded non-modular bricks of 50 class designation cement mortar 1:4, inside cement plastered 12mm thick with cement mortar 1:3, finished with floating coat of neat cement, foundation concrete 1:3:6 mix using 40mm and downsize granite metal and making necessary channel in cement concrete 1:2:4 mix with 20mm and down size granite metal finished with a float coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560 internal diametre confirming IS : 12592, total weight cover and frame to be not less than 182 kg, fixed in cement concrete 1:2:4, 20mm and downsize broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM of machineries complete as per specification.
34	KSRB 12-8.1 : Constructing brick masonry inspection chamber 455 x 610mm, and 450mm depth (clear inside dimension) for single piep line, using table moulded nonmodular bricks of class designation 50 in cement mortar 1:5, C.I cover with frame (light duty) 455 x 610mm internal dimension, total weight of cover with frame to be less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) RCC top slab with cement concrete 1:2:4 mix 20mm and downsize granite metal, foundation concrete 1:5:10 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3 finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materails, labour charges, curing complete as per specifications
35	Constructing brick masonry inspection chamber 600x 600mm, and 450mm depth (clear inside dimension) for single piep line, using table moulded non-modular bricks of class designation 50 cement mortar 1:5, C.I cover with frame (light duty) 600x600mm internal dimension, total weight cover with frame to be less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) RCC top slab with cement concrete 1:2:4 mix 20mm and downsize granite metal, foundation concrete 1:5:10 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3 finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materails, labour charges, curing complete as per specifications
36	KSRB 11-2 : Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x with integral type footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all approved make) with fittings, C.I / M.S brackets, 32mm diameter flush bend with fittings and cla over flow arrangements with special and 25mm mosquito proof coupling of approved design, painti fittings and brackets, cutting and making good the wall and floor wherever required , including c materails, labour charges, curing complete as per specifications
38	KSRB 11-9.1 : Providing and fixing white vitreous china clay, flat back or half stall urinal bas size 580x380x350mm with 5 litres P.V.C automatic flushing cistern, C.I / M.S. Brackets, sta flush pipe and C.P brass spreaders with brass unions and G.I clamps C.I. trap with outlet gr and other couplings in C.P brass, painting of fittings and brackets, cutting and making good th and floor wherever required , including cost of materails, labour charges, curing complete specifications
39	KSRB 11-11.1 : Providing and fixing white vitreous china clay, flat back wash basin size630x with a pair of 15mm C.P brass pillar taps, with C.I / M.S. Brackets, 32mm C.P brass waste of s pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever , including cost of materails, labour charges, curing complete as per specifications
40	KSRB 11-15.3 : Providing and fixing 453 x 357mm rectangular shape mirror with plastic frame of approved make and shape with 6mm thick hard board backing, including cost of labour charges, curing complete as per specifications

... at Ward No. 17 Gr.

-	-	1	9308.92	9309.00	1.00	9309.00
-	-	1	5074.22	5074.00	1.00	5074.00
-	-	1	6581.54	6582.00	1.00	6582.00
-	-	5	960.36	4802.00	5.00	4802.00
-	-	3	3983.48	11950.00	3.00	11950.00
-	-	6	2723.14	16339.00	6.00	16339.00
-	-	2.00	894.64	1789.00	2.00	1789.00

41	KSRB 11-15.5 : Providing and fixing 1500 x 450mm rectangular shape mirror with plastic moulded frame of approved make and shape with 6mm thick hard board backing, including cost of mat[illegible] labour charges, curing complete as per specifications
42	Providing and fixing 7.5cms t o15 cms dia NP grating 100m dia
43	Providing 15cms x 10 cms stone ware gully trap of approved quality and make fixing in CC 1:2:4 and plastering with CM 1:3 wherever necessary (Rate includes cost of all materials, fixures and lead)
44	Providing & fixing 12.5cms x 7.5 cms CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materails to work spot).
45	KSRB 13-1.1 : Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 15mm dia nominal bore with fittings (medium grade weight 1.27 kg/mtr) B class including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications
46	KSRB 13-1.2 : Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 20mm dia nominal bore with fittings (medium grade weight 1.27 kg/mtr) B class including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications
47	KSRB 13-1.3 : Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 25mmdia nominal bore with fittings (medium grade weight 1.27kg/mtr) B class including cost of all materials, labour charges,HOM of equipments and testing complete as per specifications
48	KSRB 13-3.3 : Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 25mm dia nominal bore with all fittings (earth work in trenches to be measured and apaid for seprately) including cost of all materials, labour charges, HOM of quipments and testing complete s per specifications
49	KSRB 13-3.4 : Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 32mm dia nominal bore with all fittings (earth work in trenches to be measured and apaid for seprately) including cost of all materials, labour charges, HOM of equipments and testing completeas per specifications
50	Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 40mm dia nominal bore with all fittings (earth work in trenches to be measured and apaid for seprately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications
51	Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications
52	Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications
53	Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications
54	Providing and fixing in position brass stop cock of approved quality 25mm nominal bore including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications

CERTIFICATE:

1) The work has been carried out as per specifications and work done satisfactorily

2) The Work Executed as per Estimates.

Assistant Engineer
Rajarajeswarinagara

AE

Assistant Executive Engineer
Rajarajeswarinagara Zone

ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರರು
ರಾಜರಾಜೇಶ್ವರಿನಗರ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

	-	-	0.00	1258.22	0.00	0.00	0.00
th	-	-	5.00	153.70	769.00	5.00	769.00
th	-	-	2.00	265.00	530.00	2.00	530.00
th	-	-	5.00	286.20	1431.00	5.00	1431.00
th	-	-	18.00	132.50	2385.00	18.00	2385.00
th	-	-	9.70	163.24	1583.00	9.70	1583.00
th	-	-	0.00	225.78	0.00	0.00	0.00
th	-	-	0.00	199.28	0.00	0.00	0.00
th	-	-	0.00	214.12	0.00	0.00	0.00
th	-	-	0.00	285.14	0.00	0.00	0.00
Bath	-	-	5.00	147.34	737.00	5.00	737.00
Bath	-	-	6.00	183.38	1100.00	6.00	1100.00
Bath	-	-	0.00	135.68	0.00	0.00	0.00
Bath	-	-	0.00	183.38	0.00	0.00	0.00
			TOTAL		**1717264.00**		**1717264.00**

Service Charge + Applicable Charge 5% + Labour Cess = **188899.00**

Total Amount = **1906163.00**